### **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/336, 664 ASource: 9cTDate Processed by STIC: 04/11/2006

# ENTERED

PCT

DATE: 04/11/2006

TIME: 12:39:59

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      3 <110> APPLICANT: Imperial College Innovations
      5 <120> TITLE OF INVENTION: Control of Apoptosis
      7 <130> FILE REFERENCE: 20050701.ORI
      9 <140> CURRENT APPLICATION NUMBER: US/10/536,664A
    10 <141> CURRENT FILING DATE: 2005-05-27
    12 <160> NUMBER OF SEQ ID NOS: 19
    14 <170> SOFTWARE: Patent In version 3.1
    16 <210> SEQ ID NO: 1
    17 <211> LENGTH: 36
    18 <212% TYPE: PRT
    19 <213> ORGANISM: Artificial Sequence
    21 <220> FEATURE:
    22 <223> OTHER INFORMATION: Derivative of SAP18
    24 <220> FEATURE:
    25 <221> NAME/KEY: MISC FEATURE
    26 <222> LOCATION: (1)..(3)
    27 <223> OTHER INFORMATION: Xaa amino acids are either all Ala or they are all Asp
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                                            10
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    39 Leu Arg Val Phe
    40
                35
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    44 <211> LENGTH: 32
    45 <212> TYPE: PRT
    46 <213> ORGANISM: Artificial Sequence
    48 <220> FEATURE:
    49 <223> OTHER INFORMATION: Derivative of Homo sapiens MAD1
    51 <220> FEATURE:
    52 <221> NAME/KEY: MISC FEATURE
    53 <222> LOCATION: (1)..(3)
    54 <223> OTHER INFORMATION: Xaa amino acids are either all Ala or they are all Asp
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    68 <211> LENGTH: 10
    69 <212> TYPE: PRT
    70 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/536,664A

Input Set : N:\DA\PTO.DA.txt

DATE: 04/11/2006

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PATENT APPLICATION: US/10/536,664A
                                                             TIME: 12:39:59
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                     Output Set: N:\CRF4\04112006\J536664A.raw
     72 <220> FEATURE:
    73 <223> OTHER INFORMATION: Synthetic peptide based on SV40 T-antigen nuclear
localisation signal
    74
             peptide
     76 <400> SEQUENCE: 3
    78 Asp Asp Pro Lys Lys Lys Arg Lys Val
    82 <210> SEQ ID NO: 4
    83 <211> LENGTH: 16
    84 <212> TYPE: PRT
     85 <213> ORGANISM: Artificial Sequence
     87 <220> FEATURE:
     88 <223> OTHER INFORMATION: Synthetic peptide based on Drosophila Antennapedia
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    89
             penetratin
     91 <400> SEQUENCE: 4
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     125 taactcctct tctttctctg ggggccgtgg ggtgggagct ggggcgagag gtgccgttgg
                                                                              120
                                                                              180
     127 cccccgttgc ttttcctctg ggaaggatgg cgcacgctgg gagaacgggg tacgacaacc
     129 gggagatagt gatgaagtac atccattata agctgtcgca gaggggctac gagtgggatg
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     131 cgggagatgt gggcgccgcg cccccggggg ccgccccgc accgggcatc ttctcctccc
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     133 ageceggea caegeeceat ceageegeat eeegegaeee ggtegeeagg acetegeege
                                                                               360
     135 tgcagacccc ggctgccccc ggcgccgccg cggggcctgc gctcagcccg gtgccacctg
                                                                               420
     137 tggtccacct ggccctccgc caagccggcg acgacttctc ccgccgctac cgcggcgact
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     139 tegeogagat gtecagecag etgeacetga egecetteae egegegggga egetttgeca
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     141 cggtggtgga ggagctcttc agggacgggg tgaactgggg gaggattgtg gccttctttg
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     143 agtteggtgg ggteatgtgt gtggagageg teaaceggga gatgtegeee etggtggaea
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     145 acategeect gtggatgaet gagtaeetga aceggeaect geacacetgg atecaggata
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     147 acggaggetg ggtaggtgea tetggtgatg tgagtetggg etgaggeeac aggteegaga
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     149 tegggggttg gagtgegggt gggeteetgg geaatgggag getgtggage eggegaaata
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     151 aaatcagagt tgttgcttcc cggcgtgtcc ctacctcctc ctctggacaa agcgttcact
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RAW SEQUENCE LISTING

## RAW SEQUENCE LISTING DATE: 04/11/2006 PATENT APPLICATION: US/10/536,664A TIME: 12:39:59

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Output Set: N:\CRF4\04112006\J536664A.raw

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		atagtgatga					120
		gatgtgggcg					180
		gggcacacgc					240
		accccggctg					300
172	acctgtggtc	cacctgaccc	tccgccaggc	cggcgacgac	ttctcccgcc	gctaccgccg	360
		gagatgtcca					420
		gtggaggagc					480
		ggtggggtca					540
		gccctgtgga					600
		ggctgggatg					660
		tggctgtctc					720
		gostatetgg					790/
		actaaagcag					840
		tgtttaagaa					900
		caacaattaa					960
		tcatttattt	-	_	_	_	1020
		aactcctgtc					1080
		tggatgttct					1140
		tgaagagcag					1200
		ggaggctggg					1260
		aacagaggga					1320
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		ggacctagta					1440
		atcataggaa					1500
		atacaatatc					1560
		accccccaac					1620
		ggaagtgaac					1680
		ccgccacaag					1740
		tggaggcctg					1800
222	ggatgatcaa	cagggcagtg	tggtctccga	atgtctggaa	gctgatggag	ctcagaattc	1860
		aaagagcagt					1920
		tttcacgtgg					1980
		gaacagaggc					2040
		gaggcaatgg					2100
		gcccacctgt					2160
		aagaagcatt					2220
		aaacattatc					2280
		aggtgtggaa					2340
		gggaactata					2400
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		gcattatata					2520
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## RAW SEQUENCE LISTING DATE: 04/11/2006 PATENT APPLICATION: US/10/536,664A TIME: 12:39:59

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\04112006\J536664A.raw

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252	agccctgagt	ctcagctacc	taagaaaaac	ctggatgtca	ctggccactg	aggagctttg	2760
254	tttcaaccaa	gtcatgtgca	tttccacgtc	aacagaattg	tttattgtga	cagttatatc	2820
256	tgttgtccct	ttgaccttgt	ttcttgaagg	tttcctcgtc	cctgggcaat	tccgcattta	2880
258	attcatggta	ttcaggatta	catgcatgtt	tggttaaacc	catgagattc	attcagttaa	2940
260	aaatccagat	ggcaaatgac	cagcagattc	aaatctatgg	tggtttgacc	tttagagagt	3000
262	tgctttacgt	ggcctgtttc	aacacagacc	cacccagagc	cctcctgccc	tccttccgcg	3060
264	ggggctttct	catggctgtc	cttcagggtc	ttcctgaaat	gcagtggtgc	ttacgctcca	3120
266	ccaagaaagc	aggaaacctg	tggtatgaag	ccagacctcc	ccggcgggcc	tcagggaaca	3180
268	gaatgatcag	acctttgaat	gattctaatt	tttaagcaaa	atattattt	atgaaaggtt	3240
270	tacattgtca	aagtgatgaa	tatggaatat	ccaatcctgt	gctgctatcc	tgccaaaatc	3300
272	attttaatgg	agtcagtttg	cagtatgctc	cacgtggtaa	gatcctccaa	gctgctttag	3360
274	aagtaacaat	gaagaacgtg	gacgctttta	atataaagcc	tgttttgtct	tctgttgttg	3420
276	ttcaaacggg	attcacagag	tatttgaaaa	atgtatatat	attaagaggt	cacgggggct	3480
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		ctcttggccc					3600
282	agttgatgtt	gcattttcct	tattgttaaa	aacatgttag	aagcaatgaa	tgtatataaa	3660
284.	agcctcaact	agtcattttt	t/atactatt	cttttttttc.	attatatcta.	attattttgc	3720
286	agttgggcaa	cagagaacca	tccctatttt	gtattgaaga	gggattcaca	tctgcatctt	3780 <sup>1</sup>
288	aactgctctt	tatgaatgaa	aaaacagtcc	tctgtatgta	ctcctctta	cactggccag	3840
290	ggtcagagtt	aaatagagta	tatgcacttt	ccaaattggg	gacaagggct	ctaaaaaaag	3900
292	ccccaaaagg	agaagaacat	ctgagaacct	cctcggccct	cccagtccct	cgctgcacaa	3960
294	atactccgca	agagaggcca	gaatgacagc	tgacagggtc	tatggccatc	gggtcgtctc .	4020
296	cgaagatttg	gcaggggcag	aaaactctgg	caggcttaag	atttggaata	aagtcacaga	4080
298	atcaaggaag	cacctcaatt	tagttcaaac	aagacgccaa	cattctctcc	acagctcact	4140
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302	tgcttatcat	ctaaagatgt	agctctggcc	cagtgggaaa	aattaggaag	tgattataaa	4260
304	tcgagaggag	ttataataat	caagattaaa	tgtaaataat	cagggcaatc	ccaacacatg	4320
306	tctagctttc	acctccagga	tctattgagt	gaacagaatt	gcaaatagtc	tctatttgta	4380
308	attgaactta	tcctaaaaca	aatagtttat	aaatgtgaac	ttaaactcta	attaattcca	4440
310	actgtacttt	taaggcagtg	gctgttttta	gactttctta	tcacttatag	ttagtaatgt	4500
312	acacctactc	tatcagagaa	aaacaggaaa	ggctcgaaat	acaagccatt	ctaaggaaat	4560
		gttgaaattc					4620
		acacactttt	_				4680
		tttattgtta					4740
		ggacatttgt					4800
		ttggatcagg					4860
		ttggggtcga					4920
		gtttgtggta					4980
		tggcagtgca					5040
		tgtgcagttt					5100
		ttctaaatgt					5160
		ctgaattgga					5220
		tgtctttgga					5280
		aaaatcagat					5340
		acttcaagca					5400
		gatgggaaca					5460
344	tgagactatt	aataaataag	actgtagtgt	agatactgag	taaatccatg	cacctaaacc	5520

#### RAW SEQUENCE LISTING

DATE: 04/11/2006 PATENT APPLICATION: US/10/536,664A TIME: 12:39:59

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\04112006\J536664A.raw

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			ttaagttttc				5700
352	ggggttattt	ttgttttaaa	taaaaataag	tgtacaataa	gtgtttttgt	attgaaagct	5760
			acttttacct				5820
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373	tgggtcaaag	aagtcaaagg	ggctgcctgg	aggaggcagc	ctgtcagctg	gtgcatcaga	120
375	ggctgtggcc	aggccagctg	ggctcgggga	gcgccagcct	gagaggagcg	cgtgagcgtc	180
377	gcgggagcct	cgggcaccat	gagcgacgtg	gctattgtga	aggagggttg	gctgcacaaa	240
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383	ttctctgtgg	cgcagtgcca	gctgatgaag	acggagcggc	cccggcccaa	caccttcatc	420
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387	gagcgggagg	agtggacaac	cgccatccag	actgtggctg	acggcctcaa	gaagcaggag	540
389	gaggaggaga	tggacttccg	gtcgggctca	cccagtgaca	actcaggggc	tgaagagatg	600
			caagcaccgc				660
393	ctgctgggca	agggcacttt	cggcaaggtg	atcctggtga	aggagaaggc	cacaggccgc	720
395	tactacgcca	tgaagatcct	caagaaggaa	gtcatcgtgg	ccaaggacga	ggtggcccac	780
397	acactcaccg	agaaccgcgt	cctgcagaac	tccaggcacc	ccttcctcac	agccctgaag	840
399	tactctttcc	agacccacga	ccgcctctgc	tttgtcatgg	agtacgccaa	cgggggcgag	900
			ggaacgtgtg				960
			ggactacctg				1020
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			ggacggtgcc				1140
			ggaggacaat				1200
			gatgatgtgc				1260
			cctcatggag				1320
			agggctgctc				1380
			gatcatgcag				1440
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			gttcacggcc			_	1560
			ggacagcgag				1620
		_	aggcggcggt				1680
			tgatctgtat				1740
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			gcctcagccc				1920
			gcgcaatgtg				1980
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439	tctctggggc	cctgggcctc	agttcaacct	ggtggcacca	gatgcaacct	cactatggta	2100

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/11/2006 PATENT APPLICATION: US/10/536,664A

TIME: 12:40:00

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\04112006\J536664A.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2 Seq#:2; Xaa Pos. 1,

Seq#:5; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 04/11/2006 PATENT APPLICATION: US/10/536,664A TIME: 12:40:00

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\04112006\J536664A.raw

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